

Nomenclature - 6B

Write correct formulas for the following:

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|---|---|
| 1. nitrous acid HNO_2 | 11. hypophosphorous acid H_3PO_2 |
| 2. carbonic acid H_2CO_3 | 12. barium chlorite $\text{Ba}(\text{ClO}_2)_2$ |
| 3. sodium phosphate Na_3PO_4 | 13. ammonia NH_3 |
| 4. hypochlorous acid HClO | 14. antimonous hypocarbonite $\text{Sb}_2(\text{CO})_3$ |
| 5. calcium acetate $\text{Ca}(\text{CH}_3\text{COO})_2$ | 15. sulfurous acid H_2SO_3 |
| 6. hydrogen peroxide H_2O_2 | 16. hydrosulfuric acid H_2S |
| 7. germanium (IV) pernitrate $\text{Ge}(\text{NO}_4)_4$ | 17. chlorine gas Cl_2 |
| 8. carbonite radical CO_2^{2-} | 18. hyponitrite radical NO^- |
| 9. hydrogen perphosphate H_3PO_5 | 19. plumbous carbonate PbCO_3 |
| 10. potassium carbonite K_2CO_2 | 20. copper (II) sulfite CuSO_3 |

Name the following correctly, using IUPAC and one other system where necessary:

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| 1. $\text{Ge}(\text{CO}_3)_2$ germanium (IV) carbonate germanic carbonate | 5. $\text{Fe}_2(\text{SO}_3)_3$ iron (III) sulfite ferric sulfite |
| 2. H_3PO_2 hypophosphorous acid hydrogen hypophosphite | 6. $\text{Mg}(\text{NO}_3)_2$ magnesium nitrate |
| 3. PO_5^{3-} perphosphate | 7. MgO_2 magnesium peroxide |
| 4. NaNO_4 sodium pernitrate | 8. HBr hydrobromic acid hydrogen bromide. |

Nomenclature - 6A

Write correct formulas for the following:

- | | |
|---|--|
| 1. sulfate radical SO_4^{2-} | 11. hydroiodic acid HI |
| 2. sodium carbonate Na_2CO_3 | 12. tin (II) sulfate SnSO_4 |
| 3. rubidium peroxide Rb_2O_2 | 13. lithium phosphate Li_3PO_4 |
| 4. aluminum chlorate $\text{Al}(\text{ClO}_3)_3$ | 14. ammonia NH_3 |
| 5. iron (II) phosphate $\text{Fe}_3(\text{PO}_4)_2$ | 15. ferric carbonate $\text{Fe}_2(\text{CO}_3)_3$ |
| 6. strontium nitrate $\text{Sr}(\text{NO}_3)_2$ | 16. aluminum sulfate $\text{Al}_2(\text{SO}_4)_3$ |
| 7. plumbic sulfate $\text{Pb}(\text{SO}_4)_2$ | 17. lead (IV) chlorate $\text{Pb}(\text{ClO}_3)_4$ |
| 8. nitrogen gas N_2 | 18. mercuric nitrate $\text{Hg}(\text{NO}_3)_2$ |
| 9. mercurous chlorate HgClO_3 | 19. potassium chloride KCl |
| 10. calcium sulfide CaS | 20. cuprous acetate CuCH_3COO |

Name the following correctly, using IUPAC and one other system where necessary:

- | | |
|--|---|
| 1. SO_4^{2-} sulfate | 5. FePO_4 iron (III) phosphate ferric phosphate |
| 2. CH_4 methane carbon tetrahydride | 6. Cu_2SO_4 copper (I) sulfate cuprous sulfate |
| 3. RaCO_3 radium carbonate. | 7. CO_2 carbon dioxide carbon (IV) oxide |
| 4. HNO_3 (two ways) nitric acid hydrogen nitrate | 8. $\text{Pb}(\text{NO}_3)_4$ lead (IV) nitrate plumbic nitrate. |